

Converting Colors

XYZ(23.7635, 18.2124, 31.5063)

Have a look what the booklet for
XYZ(23.7635, 18.2124, 31.5063)
contains.

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Color

**XYZ(23.7581, 18.2260,
31.5439)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6397
RGB	156, 99, 151
RGB Percent	61%, 39%, 59%
CMY	0.3882, 0.6117, 0.4078
CMYK	0.00, 0.37, 0.03, 0.39
HSL	305°, 22%, 50%
HSV	305°, 37%, 61%
XYZ	23.7581, 18.2260, 31.5439
YIQ	121.9710, 17.2800, 28.2560

Conversions

Conversions Part 2

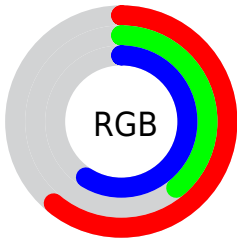
Format	Color
R_{YB}	156, 99, 151
Decimal	10249111
CIE _{Lab}	49.77, 31.48, -18.94
CIE _{LCh}	50, 36.737, 328.961
Yxy	18.2260, 0.3231, 0.2479
Android (android.graphics.Color)	4288439191 (0xFF9C6397)
YUV	121.9710, 14.3113, 29.8434
Hunter-Lab	42.6919, 24.6246, -13.9234

Details

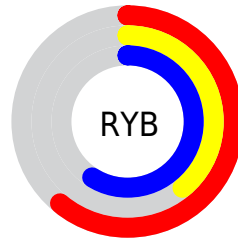
The XYZ color **23.7581, 18.2260, 31.5439** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.5336, 27.4298, 17.3628**, and the grayscale version is **18.4406, 19.4009, 21.1276**.

A 20% lighter version of the original color is **48.9500, 40.3899, 62.9737**, and **9.0344, 6.0849, 12.7549** is the 20% darker color. If you saturate the color by 10%, you get **22.3102, 15.5067, 30.5162**, and if you desaturate by 10%, it is **25.4940, 21.5185, 32.6743**.

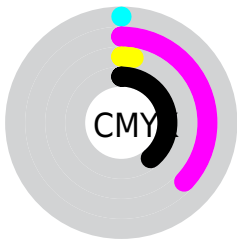
Distribution



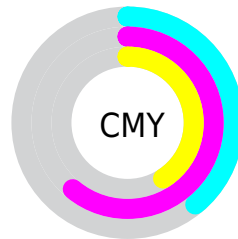
- Red (61%)
- Green (39%)
- Blue (59%)



- Red (61%)
- Yellow (39%)
- Blue (59%)



- Cyan (0%)
- Magenta (37%)
- Yellow (3%)
- Black (39%)





- Cyan (39%)
- Magenta (61%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7581, 18.2260, 31.5439 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.7581, 18.2260, 31.5439 by changing the saturation by 10% instead.


 23.7581, 18.2260,
31.5439

 23.7581, 18.2260,
31.5439

264.0585,
242.1418, 323.4648


 15.2780, 11.1124,
20.7514

 49.0927, 40.4220,
63.1850


 9.1023, 6.1425,
12.7530


 66.6780, 56.2733,
84.8706

 4.8656, 2.9319,
7.1299


 88.0290, 75.8058,
111.0245

 2.2026, 1.0963,
3.4638

 113.5112, 99.4040,
142.0650

 0.7441, 0.0000,
1.3361

143.4899,
127.4523, 178.4107

 0.0000, 0.0000,
0.0911

178.3304,

 0.0000, 0.0000,

160.3351, 220.4802

0.0000

218.3982,
198.4368, 268.6921

■ 23.7581, 18.2260,
31.5439

■ 23.7581, 18.2260,
31.5439

■ 22.3102, 15.5067,
30.5162

■ 25.4940, 21.5185,
32.6743

■ 21.1319, 13.3250,
29.5845

■ 27.5312, 25.4120,
33.9115

■ 20.2058, 11.6455,
28.7432

■ 29.8846, 29.9356,
35.2603

■ 19.5113, 10.4272,
27.9854

■ 32.5672, 35.1157,
36.7254

■ 19.0248, 9.6229,
27.3033

■ 35.5916, 40.9773,
38.3109

■ 18.7111, 9.1621,
26.6849

■ 38.9696, 47.5439,
40.0207

■ 18.6167, 9.0305,
26.4770

■ 42.7125, 54.8381,
41.8585

■ 46.8309, 62.8813,
43.8281

■ 51.3351, 71.6941,
45.9329

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.7932, 18.2260, 41.9563



23.7581, 18.2260, 31.5439



24.9670, 18.2260, 20.1968

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.7581, 18.2260, 31.5439



17.4457, 18.2260, 6.1327



12.0736, 18.2260, 30.7261

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.7581, 18.2260, 31.5439



19.5336, 27.4298, 17.3628

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.4244, 18.2260, 19.4974



23.7581, 18.2260, 31.5439



14.2626, 18.2260, 7.3009

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.7581, 18.2260, 31.5439



21.0330, 18.2260, 7.4819



12.1699, 18.2260, 11.4687



14.0776, 18.2260, 41.3829

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.7581, 18.2260, 31.5439



24.5050, 18.2260, 14.2145



12.1699, 18.2260, 11.4687



11.7027, 18.2260, 26.7950

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.7587, 18.2268, 31.5443



52.2042, 50.3791, 62.8692



16.1434, 14.2531, 33.3533



11.3712, 10.8627, 13.7674



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7587, 18.2268, 31.5443



40.9243, 28.9174, 55.7238



21.7324, 17.4163, 20.8741



6.8790, 6.7445, 8.2142



15.3406, 7.4408, 21.8424



0.2809, 0.1357, 0.4253

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.7587, 18.2268, 31.5443



40.9243, 28.9174, 55.7238



21.2168, 28.1030, 26.2266



6.8790, 6.7445, 8.2142



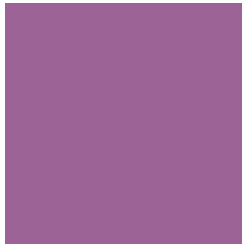
15.3406, 7.4408, 21.8424



0.2809, 0.1357, 0.4253

Previews

White Background



This preview shows how the XYZ color 23.7581, 18.2260, 31.5439 looks on a white background.

Color Contrast Check

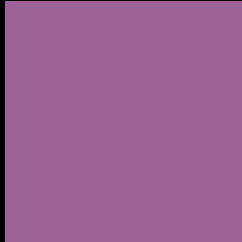
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.7581, 18.2260, 31.5439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

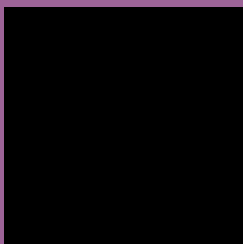
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7581, 18.2260, 31.5439

Background



This preview shows how black text looks on a background with the XYZ color 23.7581, 18.2260, 31.5439.



This preview shows how white text looks on a background with the XYZ color 23.7581, 18.2260,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.7581, 18.2260, 31.5439

Protanopia

18.8878, 18.4062, 37.6792

Deuteranopia

18.6609, 18.2737, 30.5606



Tritanopia

21.0110, 18.1252, 18.6108

Trichromacy



Original Color

23.7581, 18.2260, 31.5439

Protanomaly

20.1461, 17.9401, 35.2019

Deuteranomaly

20.2067, 18.0676, 30.8562

Tritanomaly

21.8834, 18.0313, 22.7491

Monochromacy



Original Color

23.7581, 18.2260, 31.5439

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.0825, 18.7964, 24.7599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7581, 18.2260, 31.5439 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 99, 151)` looks like.

```
.text, #text, p{  
    color:rgb(156, 99, 151)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 99, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.7581, 18.2260, 31.5439 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 99, 151) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(156, 99, 151) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(156, 99, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 99, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 99, 151);  
box-shadow:4px 4px 4px 4px rgb(156, 99,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7581, 18.2260, 31.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 151) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156, 99,  
151) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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